

TX-P3076WH

30" Wide Multi Memory Series
DynaFlat™ HDTV With Built-in
HD Tuner



Wiselink™ Multi Memory Slots:
(MS/CF/MMC/SD/SMC/MD)

Meets the 2005 FCC Guidelines
for an Integrated Digital Tuner

HD flat

TV/VIDEO

- Built-in HD/Digital Tuner (ATSC/QAM/NTSC) – Tunes & processes 720p, 1080i, 480p, and 480i signals
- 16:9 Wide Screen Aspect Ratio
- Wiselink™ Multi Memory Slots (5 into 4) for Play Back of JPG Photo Files From Digital Cameras & MP3 Music Files
- Native Resolution 1080i/480p
- Dual HD Supports 720p and 1080i HD Signals
- DynaFlat™ HD Anti-Distortion, Anti-Glare Flat Picture Tube
- Finer Pixel Dot Pitch Flat CRT Improves Picture Resolution and Brightness
- Samsung's DNle™ Video Enhancer
- Pro Picture 3-Stage Video Correction
 - Total DSP (Digital Signal Processing) Analog to Digital Signal Enhanced
 - Pro Chip Plus Converts all Analog Signals to Flicker-Free Progressive Scan
 - 8 Bit 20 MHz 3D Y/C Comb Filter
- Velocity Scan Modulation Improves Edge Detail
- 3:2 Pull Down Film to Video Frame Rate Correction
- Check HDTV Reception with a Built-in Digital Signal Strength Meter
- Convenient Front Panel Control Key Buttons For Accessing Menu Settings Without the Remote
- Universal Remote Control
- Easy Navigation with Translucent On-Screen Display
- Screen Filling Modes & Vertical Compression for Anamorphic DVDs
- Digital Program Guide (where available)

AUDIO FEATURES

- 20-Watt Side Speaker Audio System with Sound Presets & Adjustable EQ
- BBE High Definition Sound Processing

CONNECTIONS

- DVI-HDTV Interface with HDCP Copy Protection-Dual HD
- 2 Sets of Dual HD Auto Sensing 1080i/720p/480p/480i (Y/Pb/Pr) Component Inputs
- 3 Rear A/V Composite Inputs, Side & Rear S-Video Inputs, A/V Outputs, and Side A/V Inputs



All on-screen images are simulated pictures. Shown on optional stand.
All features, specifications, model numbers subject to change.

SAMSUNG

The Samsung TX-P3076WH 30" widescreen (16:9 aspect ratio) HDTV is ideal for viewing DVDs, HDTV broadcasts, and your favorite photos. The TX-P3076WH meets the 2005 FCC guidelines for an integrated digital tuner. Free over the air high definition signals can be tuned and HD can be displayed from an equipped HD cable or satellite set top box. The TX-P3076WH Wiselink™ System can display JPG image files and MP3 music files from five different kinds of multi memory cards. Think of the fun and enjoyment there will be as a slide show of your favorite digital camera images is displayed across the screen for the whole family to see. Sitting down to watch a DVD on the newer progressive scan players is possible. Digitally processing the signal and presenting all analog sources in the better progressive scan improves even analog TV. With 3:2 Pull Down film to video transfer flaws are corrected, virtually eliminating blurring and stuttering. A full compliment of connections, 2 auto sensing wideband component inputs, a DVI digital input, and 20 watts of sound are among a few of the benefits found on the TX-P3076WH.



Tunes signals and accepts connections for both 720p and 1080i, offering compatibility with all broadcast ATSC high definition formats.

TX-P3076WH

30" Wide Multi Memory Series DynaFlat™ HDTV With Built-in HD Tuner



Understanding HDTV

The transition to HDTV is underway. The US government has mandated the switch to digital signals to replace today's analog over the air broadcasts. Samsung's Interactive Guide to Digital & HDTV is an on line information resource exploring new TV choices, how to get HD, and is packed with useful information about the world of digital television. Visit samsungusa.com/dtvguide to explore the animations, graphics, and simple explanations that this guide has to offer.

The Advantages of a Built-in Digital Tuner

This Samsung HDTV incorporates a built-in digital over the air tuner (ATSC). There are many television content providers from cable, to satellite, to over the air. Sometimes there are programming choices available over the air, that may not be available from cable or satellite. The FCC has mandated that in the future all televisions will have to have a built-in over the air tuner. An antenna is required to tune over the air signals. Samsung knows the importance of having choices and has adopted the digital/HD tuner now. Free over the air digital and HD programming is compelling, try it and see for yourself.

Progressive Scan DVD Player Compatibility

All Samsung Digital TVs are compatible with the newer Progressive Scan DVD players that output 480p. The difference is clear, smooth, and noticeable.



High Resolution DynaFlat™ HD Fine Pitch Flat Picture Tube

Not all HDTV Monitors are created equally. With a Samsung DynaFlat™ HDTV the overall resolution has been improved by making the individual phosphor color spots (pixels) smaller and closer together. A Multiple Focus Electron Gun is capable of illuminating many more finer spots to achieve a much more detailed picture.

3:2 Pull Down

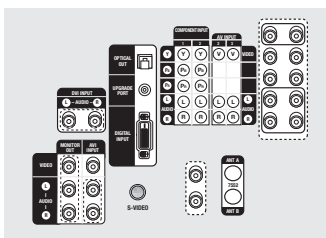
3:2 Pull Down is indispensable for people who want to watch Hollywood "films" at home on video. The difference between film and video frame speeds causes blurring, stuttering and other motion artifacts, especially during fast-action sequences. With Samsung's 3:2 pull down process, these anomalies are corrected, and you experience a smooth picture much closer to the original film.



flat



Remote Control



Rear Jack Panel



Side Jack Panel



Samsung's Digital Pro Picture 3-Stage Video Correction

Samsung's Digital Pro Picture 3-Stage Video Correction is a three-stage video processing system that produces a high performance picture from both analog and digital sources.

3-Stage refining process

- Total DSP (Digital Signal Processing): analog to digital signal processing improves picture quality.
- Pro Chip Plus converts all analog signals to the better flicker-free progressive scan.
- 8 Bit 20 MHz 3D Y/C Comb Filter analyzes multiple lines of picture information to minimize edge image artifacts while improving transition detail.



Unclear analog signal



Total DSP™

- Converts analog to digital
- Restores picture strength to 100% of original
- Optimizes brightness
- Enhances picture quality



ProChip Plus™

- Doubles lines of resolution
- Converts interlaced images to smooth progressive scan
- Reduces flicker
- Smooths motion



Defining Filter

- Sharpens edges
- Removes misty, unclear details
- Eliminates analog artifacts and noise



Wiselink™ Multi Memory Slots (5 into 4)

The popularity of digital photography has exploded in recent years. The Samsung TX-P3076WH has multi memory card slots that play back JPG picture files and MP3 music files. A simple on screen menu system guides you through the set up process. Now you can enjoy your favorite photos on screen as a slide show. The images are large enough for the whole family or company to watch. The following formats are supported: Compact Flash, Smart Media, Multi Media, Memory Stick, and SD.

Widescreen Aspect Ratio Control

Allows the viewer to make screen fitting adjustments depending on the content displayed.



Wide



Panorama



Zoom 1



Zoom 2



Normal



Digital Visual Interface (DVI) with HDCP

As the world moves to digital, a true digital connection is the logical next step. DVI-HDTV is an industry standard connector that can be found on newer HDTV receiver/decoders and potentially other digital components. With built in copy guard protection (HDCP) as mandated by many content providers, Samsung is capable of producing an outstanding picture directly from digital sources.

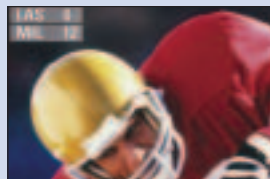
Discrete Infra Red Codes

This set is equipped with discrete IR codes for use with a macro/programmable remote (see owners manual for details).

Progressive Scan Explained

Take the screen test and compare Samsung's Digital TV with a typical interlaced TV

Samsung Progressive Scan

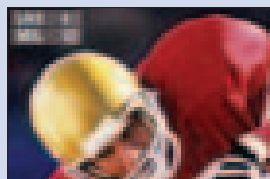


Sharp edges

It's the reds vs. the blues, yellows, or whites. Ordinary interlaced images go jagged where colors meet. Samsung Progressive Scan keeps them in bounds.

VS.

Interlaced



CAST

Margaret Alexis Turner
Susan Mary O'Reilly
Brian Mark Williams
Scott Greg Francis
Waitress Florence Dunlop

PRODUCER

Michael Goldwitz

Color Shift

Green and red outlines every movie into a mystery. Samsung Progressive Scan keeps text crisp and clear.

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HD flat

TX-P3076WH 30" Wide Multi Memory Series DynaFlat™ HDTV With Built-in HD Tuner

TV/VIDEO

16:9 Aspect Ratio

Built-in ATSC/QAM/NTSC Tuner (Tunes & processes 720p, 1080i, 480p and 480i signals)

Native Resolution Display format 1080i/480p

Dual HD Tunes signals and accepts connections for both 720p and 1080i, offering compatibility with all broadcast ATSC high definition formats.

Full Sounding Side Speaker Design (Silver Cabinet)

Progressive Scan 480p DVD Compatible: accepts a 480p signal via a component input from a Progressive Scan DVD Player or game console.

DynaFlat™ HD Anti-Distortion, Anti-Glare High Resolution Flat Picture Tube

New Finer Pixel Dot Pitch DynaFlat™ HD CRT improves picture resolution and brightness with a greater amount of individual picture elements being illuminated.

Dynamic Multiple Focus Electron Gun achieves better spot focus, greater corner to corner focus, and presents higher resolution picture quality.

Samsung's DNle™ Video Enhancer or Digital Natural Image Engine™

Pro Picture 3-Stage Video Correction

- Total DSP (Digital Signal Processing): analog to digital signal processing improves picture quality.
- Pro Chip Plus converts all analog signals to the better flicker-free progressive scan.
- 8 Bit 20 MHz 3D Y/C Comb Filter analyzes multiple lines of picture information to minimize edge image artifacts while improving transition detail.

Maximum of 800 Lines Horizontal Resolution

Velocity Scan Modulation sharply defines edges and outlines by controlling the speed of transitions between the black and white portions of the signal.

3:2 Pull Down: Correction for film productions that are transferred to video. 3:2 Pull Down compensates for inherent flaws in film (24 frames per second) to video (30 frames per second) frame rate transfers, making a smoother picture with less motion distortion.

INVAR Shadow Mask: An alloy material used for consistency of focus and brightness without sacrificing color purity.

Color Temperature Controls: Normal, Warm and Cool selectable with On-Screen Display.

4 Video Presets optimize the picture for the type of program being watched. Presets: Standard/Dynamic/Movie/Custom with user adjustable brightness, contrast, sharpness, color, and tint.

Vertical Compression maintains vertical resolution and quality during anamorphic widescreen sources such as DVD.

Dark Tint Picture Tube minimizes reflections and improves colors and picture contrast.

Dynamic Black Level Expansion & White Peak Limiter further improves picture contrast.

Auto Kine Aging Bias automatically regulates the white balance to maintain consistent, optimal performance even after many years of use.

181-Channel Synthesized Tuning

Tilt Correction allows for picture adjustments due to Earth's magnetic field.

CONVENIENCE

Wiselink™ Multi Memory Card Slots

(5-into-4) accept Compact Flash, Smart Media, Multi Media, Memory Stick, SD, JPG image files and MP3 music files are supported for playback through the TV.

Digital Signal Strength Meter checks your HDTV reception, easily, on screen.

Digital Program Guide provides program description, a schedule of show times and other information (Where available-dependent of data from broadcaster).

CaptionVision (CC)¹ displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.

V-Chip System¹ allows blocking of rated TV and movie programs determined by the parent to contain objectionable content.

Easy Navigation with a Translucent On-Screen Menu Display that allows the user to make control setting adjustments while continuing to view the picture in the background.

Trilingual On-Screen Display English, Spanish or French.

Screen Filling Picture Modes: Normal, Wide, Zoom 1, Zoom 2, Panorama (less stretching in the middle and more towards the edge).

Plug & Play Setup uses automation and simple menus to select the source (broadcast or cable), set the clock, and map the active channels.

Auto Channel Programming memorizes only active broadcast and cable channels. Manual add/delete option included.

Clock with on/off timer.

Auto Clock Set reads the XDS broadcast signal¹ to display the correct date and time even adjusting for daylight savings time.

Channel Labeling assigns on-screen channel labels (e.g.-NBC, ESPN, VH-1).

Non-Volatile Memory preserves audio, video and menu settings during power outages.

Input Labeling allows the user to assign the appropriate name of the source to the input it is connected to.

Discrete IR Codes for setting up macros and sequencing functions on third party remotes.

AUDIO

Stereo Broadcast Reception (MTS & SAP) **20-Watt Total Audio Sound System**

2 way (Left & Right) High Quality Audio Driver Complement

Preset Sound Modes include Standard, Movie, Music, Speech (focuses on dialog and reduces background), and Custom (5 band graphic equalizer allows detailed sound adjustments).

BBE High Definition Sound Processing circuit adjusts the phase relationships of the low, mid and high frequencies and the augmentation of the higher and lower frequencies. The result is improved brilliance and clarity of live recorded audio programming, soundtracks and music.

Second Audio Program (SAP) capability.

Auto Volume Leveler keeps audio volume consistent during channel changing to minimize static sound bursts.

CONNECTIONS

DVI-HDTV Interface with HDCP copy protection enables an all-digital rendering of video without the losses associated with an

analog interface. DVI (Digital Visual Interface) supports up to 24-bit digital RGB data for the highest image quality. High-band-width Digital Content Protection (HDCP) provides a protected interface which will improve the availability of high value content such as premium high-definition video from HD broadcast satellite receivers and many new digital cable boxes.

2 Sets of Auto Sensing

1080i/720p480p/480i (Y/Pb/Pr)

Component Input connections allows for the best quality video hook up of a DVD, Progressive Scan DVD, some newer game consoles, and/or an HDTV tuner.

S-Video Inputs: 1 Side & 1 Rear (Shared)

A/V Fixed Monitor Output: 1 Rear

Side A/V Input Convenience Connections (Present a cleaner looking front cabinet.)

3 Sets of A/V Composite Inputs: 3 Rear

Dolby Digital Optical Input

RF Input: 2 Rear

QUALITY

Warranty: 1 year parts and 1 year labor warranty (90 days parts and labor for commercial use), with in-home service, backed by Samsung toll-free support.

Energy Star Compliant² reduces energy consumption by up to 25% compared with standard TVs.

SPECIFICATIONS

Picture Tube: 30" CRT measured diagonally

TV System: American ATSC and NTSC

Channel Coverage: VHF 2-13, UHF 14-69, CATV 1-125 (up to 181 pre-selected channels)

Antenna: CATV/VHF/UHF 75-ohm, F-type

Audio Power: 10W x 2

Power Requirements: 120W AC, 60Hz

Power Consumption: 190W (1.9W standby)

NET DIMENSIONS AND WEIGHT (WxHxD)

Monitor: 34.6" x 21.9" x 23.5"

Monitor Weight: 122.4 lbs.

SHIPPING INFORMATION (WxHxD)

Monitor: 39" x 27.6" x 28.7"

Monitor Weight: 133.4 lbs.

MONITOR

UPC: 036725226814

Order Code: TXP3076WHX/XAA

¹Feature dependent upon broadcasting of information by local off-air TV and cable channels.

²An Energy Star partner, Samsung has determined that this product meets the Energy Star guidelines for energy efficiency. Energy Star is a registered trademark of the U.S. Environmental Protection Agency. Design and specifications are subject to change without notice. Remote controls vary from model to model and may not be exactly as pictured. Non-metric weights and measurements are approximate. All brand, product, service names and logos are Trademarks of their respective manufacturers and companies. 304-SS Printed in USA.

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